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MEDIUM-MU TWIN TRIODE

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Heater arrangement	*Series*	*Parallel*	
Voltage	12.6	6.3	ac or dc volts
Current	0.45	0.9	amp

Direct Interelectrode Capacitances (Approx.):°

Grid to plate (Each unit)	4	μμf
Grid to cathode and heater (Each unit)	4	μμf
Plate to cathode and heater:		
Unit No.1	0.6	μμf
Unit No.2	0.5	μμf
Heater to cathode (Each unit)	7	μμf
Grid to grid	0.025	μμf
Plate to plate	0.75	μμf

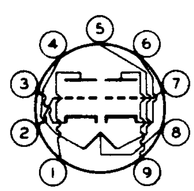
Characteristics, Class A_1 Amplifier (Each Unit):

Plate Voltage	120	180	250	volts
Grid Voltage	−2	−7	−12.5	volts
Amplification Factor	18	17	16	
Plate Resistance (Approx.)	1560	2000	3000	ohms
Transconductance	11500	8500	5400	μmhos
Plate Current	36	23	12	ma
Grid Voltage (Approx.) for plate μa = 100	−9	−14	−19	volts

Mechanical:

Operating Position . . . . Any
Maximum Overall Length . . . . 2-3/16"
Maximum Seated Length . . . . 1-15/16"
Length, Base Seat to Bulb Top (Excluding tip). 1-9/16" ± 3/32"
Diameter . . . . 0.750" to 0.875"
Dimensional Outline . . . . *See General Section*
Bulb T6-1/2
Base . . . . Small-Button Noval 9-Pin (JEDEC No.E9-1)
Basing Designation for BOTTOM VIEW 9H

Pin 1 - Plate of Unit No.2
Pin 2 - Grid of Unit No.2
Pin 3 - Cathode of Unit No.2
Pins 4 & 8 - Heater of Unit No.2
Pins 5 & 8 - Heater of Unit No.1



Pin 6 - Cathode of Unit No.1
Pin 7 - Grid of Unit No.1
Pin 8 - Heater Mid-Tap
Pin 9 - Plate of Unit No.1

°: See next page.

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MEDIUM-MU TWIN TRIODE

AMPLIFIER — Class A_1

Values are for Each Unit

Maximum Ratings, *Absolute Values:*

PLATE VOLTAGE	330	max.	volts
GRID CURRENT	6.6	max.	ma
PLATE DISSIPATION:			
Either plate	4.2	max.	watts
Both plates (Both units operating)	7.5	max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode.	100	max.	volts
Heater positive with respect to cathode.	100	max.	volts
BULB TEMPERATURE (At hottest point on bulb surface)	220	max.	°C

Maximum Circuit Values:

Grid-Circuit Resistance	1	max.	megohm

° Without external shield.